

Cell Cycle

- During the cell, a cell grows, prepares for division, and divides into 2 identical daughter cells

Interphase

G₁ phase: Cell growth

- cell increases in size and synthesizes new proteins and organelles

S phase: DNA Synthesis

- DNA is replicated by copying chromosomes

G₂ phase: Preparing for division

- cell make organelles and molecules required for cell division.

M-phase: mitosis

- cell's chromosomes divide between 2 daughter cells

Cytokinesis: division of the cell's cytoplasm

